

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 00/00841

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/56

3 MAY 2001

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L H04J H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 491 692 A (GUNNER CHRISTOPHER W ET AL) 13 February 1996 (1996-02-13) abstract column 1, line 32 - line 34 column 3, paragraph 2 - paragraph 4 column 4, line 17 - line 57 column 8, paragraph 2 - paragraph 6 figure 1 --- -/--	1,11-14, 16-18, 25,27



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

2 February 2001

Date of mailing of the international search report

16/02/2001

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>AMBROSOLI L, BURGER L, HUTERER M: "TMN architecture for SDH networks using IS-IS routing protocol: design and performances" PROCEEDINGS OF INTERNATIONAL CONFERENCE ON COMMUNICATION TECHNOLOGY, vol. 1, 5 - 7 May 1996, pages 223-227, XP002159253 Beijing, China abstract page 223, left-hand column, paragraph 2 -right-hand column, paragraph 2 page 224 page 227, left-hand column, paragraph 2</p>	2-15, 17-26
A	<p>EP 0 895 380 A (PLESSEY TELECOMM) 3 February 1999 (1999-02-03) abstract the whole document</p>	2-10, 17-26
A	<p>KATZ H ET AL: "SDH MANAGEMENT NETWORK: ARCHITECTURE, ROUTING AND ADDRESSING" PROCEEDINGS OF THE GLOBAL TELECOMMUNICATIONS CONFERENCE (GLOBECOM), US, NEW YORK, IEEE, vol. -, 29 November 1993 (1993-11-29), pages 223-228, XP000428058 abstract page 225, left-hand column, paragraph 6 -page 227, left-hand column, paragraph 6</p>	2-15, 17-26
A	<p>ZHANG Y ET AL: "AN APPROACH FOR CLUSTER-BASED MULTICAST ROUTING IN LARGE-SCALE NETWORKS" IEICE TRANSACTIONS ON COMMUNICATIONS, JP, INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, vol. E81-B, no. 5, 1 May 1998 (1998-05-01), pages 1029-1040, XP000779509 ISSN: 0916-8516 abstract page 1029, right-hand column, paragraph 2 page 1030, right-hand column, paragraph 4</p>	1, 16